ROUND 11 CAPITAL PROJECT NOMINATION FORM
LAKE TAHOE FEDERAL SHARE EIP CAPITAL PROJECTS
APPENDIX K

Project Name:	Erosion Control Grants	**EIP Number:** (***Required***)	Multiple
Federal Agency Sponsor: (***Required***)	LTBMU	**Contact:**	Barbara Shanley
Threshold:	Water Quality, soils, stream restoration	**Phone Number:**	530.543.2657
Threshold Standard:	Lake Clarity and TMDL (WQ-2A, 2b, 4, 5, 6, and SC-2)	**Email:**	bshanley@fs.fed.us
FUNDING REQUESTED IN THIS ROUND:	**$** 10,000,000		

Federal Share EIP Consideration

Select "yes" or "no" for each question. If you have a "yes" response, briefly describe. ***Projects must meet one or more of these 5 items.***

1. **Does the project involve federal land? If yes, is the federal land involved important to successful implementation of the project?** — ***Yes*** ☒ ***No*** ☐

Some of the projects that will be funded by our grants will use National Forest System lands through special use permits. When use is authorized, it is because the land is important to the success of the design of the erosion control project.

2. **Is this project identified in the EIP? If yes, please ensure the EIP number is identified in the above project information box. If no, provide a description of the projects contribution to the EIP program.** — ***Yes*** ☒ ***No*** ☐

Projects we fund through jurisdictions awarded our grant funds, will have EIP numbers, but our grants themselves do not have specific EIP numbers. Our project is to fund Erosion Control Grants authorized by the Lake Tahoe Restoration Act

3. **Does the project involve the conservation of a federal or regional threatened, rare, endangered, or special interest species?** — ***Yes*** ☐ ***No*** ☒

N/A

4. **Does the project involve an identified federal interest such as the detection and eradication of non-native invasive species (aquatic or terrestrial)? If yes, identify the species?** — ***Yes*** ☒ ***No*** ☐

If an erosion control project is implemented on National Forest System lands, a special use permit will be issued to ensure that non-native invasive species are addressed on those lands.

Yes ☒ ***No*** ☐

5. **Does the project contribute to supporting implementation of capital projects in the EIP? Such projects that fulfill this function would include technical assistance, data management, and/or resource inventories?**

About $9 million of our requested funding will go directly to EIP project planning and/or construction. The balance is used for the administration of our program and for funding the development of stormwater BMP monitoring and stream monitoring through two agreements: Regional Storm Water Monitoring Program (RSWMP) and the Lake Tahoe Interagency Monitoring Program (LTIMP).

Check all Capital Focus Area(s) that apply:

- ☒ 1. **Watershed and Habitat Improvement**
- ☐ 2. **Forest Health**
- ☐ 3. **Air Quality and Transportation**
- ☐ 4. **Recreation and Scenic**

Check all that apply (must meet a minimum of one category):

- ☐ 1. **Continued emphasis on forest ecosystem health/fuels reduction projects considering the LTBMU Stewardship Fireshed Assessment and Lake Tahoe Basin Multi-Jurisdictional Fuels Reduction and Wildfire Prevention Strategy.**

- ☒ 2. **Continued implementation of projects approved in Rounds 5 through 10 which implement the EIP. Project proposal should clearly describe the phase/product being produced along with the consequence of not completing the project phase proposed for Round 10.**

  List Rounds and funding:

  The Erosion Control Grants program has received funding from Round 5 thru Round 10 in the amount of $10 million per round, except for Round 5 which received $8.0 million. Total through Round 10 = $58.0 million.

- ☒ *3.* **Project is consistent with and contributes toward TMDL pollutant reductions within the four source categories (atmospheric, urban & groundwater, forested uplands, and stream channel).** ***NOTE: If "yes", then please respond to questions in the accomplishments section of the nomination proposal.***

- ☐ 4. **Control of aquatic invasive species and prevention and/or detection of new aquatic invasive species.**

Project Nomination Proposal Outline

Project Summary (a brief summary which clearly describes the proposed project –maximum 200 words)

- Summarize ONLY this Round 11 project**.**

The LTBMU Erosion Control Grant Program provides grant funding to local governing bodies of political subdivisions within the Lake Tahoe Basin to plan, construct, and monitor urban stormwater treatment and stream environment zone (SEZ) restoration projects. This program is authorized by the Lake Tahoe Restoration Act (Public Law 106-506) which requires a one-to-one state or local match to federal grant funds to implement EIP erosion control and soil conservation projects.

Project Description

Introduction

- Provide project background which explains the situation and state the problem and how it will be addressed.

Note: *Focus needs to be the project in Round 11 not a history of an ongoing project or program.*

Storm water run off in the Tahoe basin causes erosion in the urban uplands and streams. The fine particle component of urban storm water runoff has been identified as the largest contributor of loss of clarity in Lake Tahoe. Round 11 grants will continue to fund erosion control and stream restoration EIP projects put forth by the governmental jurisdictions and approved by an interagency Technical Advisory Team. These projects will continue to treat and/or decrease flows that cause the fine particles to enter Lake Tahoe.

- Describe what Round 11 is specifically funding; list the number of years the requested funding will cover; briefly describe how this project links into previous and future projects, and identify other round funding.

NOTE: *Focus should be on finishing current/phased projects. If project is new in Round 11, clearly identify if the project is for planning or implementation and how it will be completed with Round 11 funds. Identify if Round 12 or other funds will be needed to complete the project. Please identify total non-SNPLMA funds that are being contributed/dedicated to the proposed Round 11 project and the source of those funds.*

Most of the Round 11 funding will be used to complete final designs of, or construct already designed, erosion control projects funded in previous Rounds in each of our governmental jurisdictions. The funding will be available for 5 years. April 2011 is the anticipated date of award of grants for Round 11. For some of our jurisdictions' ongoing projects, Round 12 funding may be required to complete construction. All of our erosion control projects have 1:1 matching contributions from state or other local sources.

- Describe the "readiness" of this project to move forward (urgency, capacity, capability, environmental documentation, interagency agreements, etc)

Projects under the Erosion Control Grants program are in various stages of design or completion. Most are ready or will be ready to go to construction in the next two summers. No construction costs related to a grant funded project will be approved for reimbursement until NEPA assessment requirements have been fulfilled. Program management staff and processes are fully in place to provide necessary technical and administrative support for the Grants program.

- Describe partnerships for this project. (if applicable, project should identify committed/secured partner funding and/or other partner contributions (describe) and how it is integrated into the project)

The LTBMU Erosion Control Grant Program provides grant funds to local governments in the Tahoe Basin (including the City of South Lake Tahoe, El Dorado County, Placer County in California, and Washoe County, Douglas County -- including Douglas County GIDs). The awarded projects are selected for funding through an interagency technical advisory committee (TAC) with representatives from Tahoe Basin funding and regulatory agencies, including representatives from US BOR, CTC, NDSL, TRPA, ACOE, NDEP, and Lahontan RWQCB. All of our erosion control grants have a 1:1 matching contribution, primarily provided through CTC and NDSL. Match includes both cash and/or in-kind contributions.

Note: *The form requests information about project goals, objectives, accomplishments, and questions the program is designed to answer across several different sections. These issues are closely linked and your individual responses should provide a cohesive description.*

Goal – Purpose and Need ("larger" statement of future expected outcome – usually not measurable)

The goal of the Erosion Control Grants Program is to fund local government agency projects in the Lake Tahoe Basin that will reduce urban storm water run-off and its associated erosion and pollution, and treat urban storm water for pollutants so that the clarity of the lake can be protected.

Objectives (specific measurable statements of action which when completed will move towards achieving the goal)

Note: *Objectives will form the basis for the milestones/deliverables to be identified in Appendix B-8*

- Describe how fulfilling objectives will contribute to the achievement of one or more environmental thresholds (air quality, water quality, soil conservation, vegetation, fisheries, wildlife, scenic, noise, recreation). Provide measures if applicable. For example: acres treated, miles of stream restored for each objective.

For all erosion control projects that we fund, the objectives are to reduce urban storm water flows and reduce pollutants of concern. The main pollutants are fine particles, less than 20 microns in size, phosphorus and nitrogen. The reduction of these pollutants will hopefully result in slowing, stopping or reversing the loss in clarity to the lake. The reduction in pollutants will contribute to the achievement of water quality threshold. Stream restoration associated with erosion control grants also contributes to the soil conservation and water quality and wildlife thresholds.

- Describe the estimated environmental risks from unintended consequences of the proposed project (if applicable)**.**

The most likely unintended environmental risks would be pollutant releases (such as sediment or oil and grease) during construction of the erosion control projects. Prevention of these releases is addressed by the Technical Advisory Committee (TAC) during the planning and design stages of the project. The TAC includes a member from Lahontan Water Board or Nevada Division of Environmental Protection who requires the project planners to prepare a Storm Water Pollution Prevention Plan (SWPPP). The SWPPP requires project designs to include temporary BMPs to prevent pollutant discharges to the environment.

Accomplishments

- Describe the anticipated project accomplishments (i.e. products or identifiable environmental benefits being produced or implemented under this project)

Note: *Differentiate between direct and/or primary project effects and secondary and/or overall watershed effects.*

The LTBMU Erosion Control Grant Program expects to award $9.5 million, including the RSWMP and LTIMP agreements, to local governments to fund the planning, implementation, and monitoring of urban storm water treatment and SEZ restoration projects on the EIP project list. The local jurisdictions will use the grant funding to make progress in implementing erosion control and SEZ restoration projects on their 5-year plans. The grant program funded urban storm water treatment projects will reduce sediment and nutrient loads to Lake Tahoe by implementing source control to reduce the degree to which storm water runoff is polluted with sediment and nutrients, hydrologic control to reduce the volume and delay the delivery of peak runoff flows to receiving waters, and provide storm water treatment. The grant program funded SEZ restoration projects will reduce sediment and nutrient loads to Lake Tahoe by stabilizing stream courses, and restoring hydrologic connectivity to floodplains

- Describe how the project results/accomplishments will be communicated and made available to the public.

Erosion control project development requires public scoping (public notices, public meetings) to collect information from the residents of a project area related to drainage, erosion and water quality problems, to inform the public of the alternative projects considered, and to communicate the alternative selected for complete design and construction. In addition to public participation in project development, all final reports become part of the public record for the project, and the construction of the project results in a publicly owned improvement. Monitoring projects are documented in final reports that are available to the public on LTBMU's public website and the BMP effectiveness monitoring results are presented at the Lake Tahoe Interagency Monitoring Program (LTIMP) meetings and other Tahoe Basin research and design symposiums. Signage during construction period is very clear and descriptive about the proposed projects and their purpose.

- If you checked "yes" for the project being consistent with and contributes to TMDL pollutant reductions please consider and integrate the following in the project description:

  a) Describe whether, and how, the project demonstrates advanced, alternative, or innovative practices.

  Our Erosion Control Grants program consists of 8-12 grants each having 1 to 5 projects. Each project under our grants incorporates a variety of design technologies. Many of the latest technologies, such as Low Impact Development, are incorporated into these projects. All projects have the same goals and objectives: to stop clarity loss in the lake and to do so by reducing fine particle contributions into the lake.

b) If project includes project level monitoring, describe ability of proposed monitoring strategy to contribute to the state of TMDL knowledge. Also describe if purpose of the capital project is to conduct data collection and/or analysis related to Lake Tahoe clarity.

Our grants program is contributing funding to the LTIMP and the RSWMP. LTIPM monitors creeks and streams around the basin that empty into Lake Tahoe. RSWMP is developing a strategy to monitor urban storm water BMPs in the basin to determine effectiveness

c) Describe treatment approach for reducing pollutants and/or measures to address connectivity between pollutant sources and Lake Tahoe or its tributaries. Identify target pollutants, and, to the degree feasible, provide quantitative estimates of project effectiveness at reducing pollutant loads (and/or a commitment to provide post-project estimates).

Target pollutants and treatment approaches vary with each project within each grant. RSWMP is being developed in part to provide standard quantitative estimates of BMP effectiveness so that project effectiveness can be consistently determined. It is hoped that the RSWMP will offer the data needed to continue developing effective BMPs for use in reaching TMDL goals.

d) If appropriate, describe whether, and how, the project can be combined or coordinated with other TMDL implementation projects.

Project selection is coordinated with CTC and NDSL.

Monitoring

- Describe the project monitoring that will be implemented as part of this project including:

  - List the questions the monitoring program is designed to answer.

Our grants program is contributing funding to the LTIMP and the RSWMP. LTIPM monitors creeks and streams around the basin that empty into Lake Tahoe. RSWMP is developing a strategy to monitor urban storm water BMPs in the basin to determine effectiveness

  - Describe any coordination with, or input from, the science community on monitoring and adaptive management that has occurred on the development of this nomination and what changes (if any) to the project were made as a result of this input.

RSWMP and LTIMP involve extensive coordination with the science community. A review of the monitoring strategy for the Urban Erosion Control Program (LTIMP and RSWMP by the science community through the Tahoe Science Consortium is pending.

- Describe the methods and strategies (i.e. monitoring, research, or both) that will be used to verify whether the project goals and objectives have been met? (*Note: A detailed monitoring plan and/or research plan is not required, however, enough detail must be provided to allow someone that is unfamiliar with the project to understand and evaluate the proposed methods and strategies.*)

See above.

- Describe whether the monitoring or research associated with this project fits into or is part of a larger monitoring or research program.

See above.

- Describe how information from the monitoring and/or research will be used to improve the continued performance of the proposed project or future similar projects.

See above.

Appendix B-8

LAKE TAHOE RESTORATION PROJECTS
ESTIMATED NECESSARY EXPENSES & KEY MILESTONE DATES

Project Name:	Erosion Control Grants Program	Agency:	Forest Service
Prepared by:	Barbara Shanley	Phone:	530.543.2657
SNPLMA Project #:	F110	EIP #:	multiple

Identify estimated costs of eligible reimbursement expenses:

1. Planning, Environmental Assessment and Research Costs (specialist surveys, reports, monitoring, data collection, analysis, NEPA, etc.)	$ 0	0.0 %
2. FWS Consultation – Endangered Species Act	$ 0	0 %
3. Direct Labor (Payroll) to Perform the Project	$ 350,000	3.5 %
4. Project Equipment (tools, software, specialized equipment, etc.)	$ 8,000	0.08 %
5. Travel (including per diem where official travel status required to carry out project, such as serve as COR, experts to review reports, etc.)	$ 10,000	0.1 %
6. Official Vehicle Use (pro rata cost for use of Official Vehicles when required to carry out project)	$ 5,000	0.05 %
7. Cost of Contracts, Grants and/or Agreements to Perform the Project	$ 9,025,000	90.2 %
8. Other Direct and Contracted Labor: Agency payroll for the Contracting Officer to do project procurement, COR, Project Inspector, Sec. 106 Consultation if required, NEPA Lead, Project Manager, Project Supervisor, and subject experts to review contracted surveys, designs/drawings, plans, reports, etc.; Also covered is the cost to contract for a Project Manager and/or Project Supervisor if contracted separately from other project contracts)	$ 2,000	0.02 %
9. Other Necessary Expenses (see Appendix B-9)	$ 600,000	6.0 %
TOTAL:	$ 10,000,000	100 %

Estimated Key Milestone Dates:

Milestones/Deliverables:	Date:
Announce RFP	9/1/2010
TAC selects proposals for award	11/1/2010
Grant Awards	2 to 3/2011
Grant Administration	9/30/2016
Final Completion Date: 9/30/2016	

COMMENTS: